

**What is claimed is:**

1           1.    A plasma display panel, comprising:  
2           a first substrate;  
3           a second substrate;  
4           a rib structure disposed on the second substrate to  
5                space the second substrate from the first  
6                substrate, wherein the rib structure partitions  
7                off the second substrate into a plurality of  
8                first, second and third sub-pixels adjacent to  
9                each other, and both the first and second sub-  
10              pixels are smaller than the third sub-pixels;  
11           red phosphor disposed on each first sub-pixel;  
12           green phosphor disposed on each second sub-pixel;  
13           and  
14           blue phosphor disposed on each third sub-pixel;  
15           wherein adjacent first, second and third sub-pixels  
16                form a pixel and all of the pixels between the  
17                first and second substrates are filled with  
18              neon gas.

1           2.    The plasma display panel as claimed in claim 1,  
2           wherein every first sub-pixel with red phosphor is  
3           smaller than every second sub-pixel with green phosphor.

1           3.    The plasma display panel as claimed in claim 2,  
2           further comprising a plurality of first, second and third  
3           address electrodes disposed on the second substrate and  
4           in the center of the first, second and third sub-pixels  
5           correspondingly.

1           4.    The plasma display panel as claimed in claim 3,  
2           wherein the first, second and third sub-pixels are  
3           hexagonal.

1           5.    The plasma display panel as claimed in claim 3,  
2           wherein the first and second sub-pixels with red and  
3           green phosphors respectively are hexagonal and the third  
4           sub-pixels with blue phosphor are octagonal.

1           6.    The plasma display panel as claimed in claim 5,  
2           wherein the second sub-pixels with green phosphor are  
3           equilaterally hexagonal.

1           7.    The plasma display panel as claimed in claim 5,  
2           wherein each pixel is dodecagonal.

1           8.    A plasma display panel, comprising:  
2           a first substrate;  
3           a second substrate;  
4           a rib structure disposed on the second substrate to  
5           space the second substrate from the first  
6           substrate, wherein the rib structure partitions  
7           off the second substrate into a plurality of  
8           first, second and third sub-pixels adjacent to  
9           each other, and both of the first and second  
10          sub-pixels are smaller than the third sub-  
11          pixels;  
12          red phosphor disposed on each first sub-pixel;  
13          green phosphors disposed on each second sub-pixel;  
14          blue phosphors disposed on each third sub-pixel,  
15          wherein adjacent first, second and third sub-

16 pixels form a pixel and all of the sub-pixels  
17 between the first and second substrates are  
18 filled with Neon;  
19 a plurality of first address electrodes disposed on  
20 the second substrate and on the center of first  
21 sub-pixels;  
22 a plurality of first address electrodes disposed on  
23 the second substrate and in the center of the  
24 first sub-pixels;  
25 a plurality of second address electrodes disposed on  
26 the second substrate and in the center of the  
27 second sub-pixels; and  
28 a plurality of third address electrodes disposed on  
29 the second substrate and in the center of the  
30 third sub-pixels.

1 9. The plasma display panel as claimed in claim 8,  
2 wherein every first sub-pixel with red phosphor is  
3 smaller than or equal to every second sub-pixel with  
4 green phosphor.

1 10. The plasma display panel as claimed in claim 8,  
2 wherein the first, second and third sub-pixels are  
3 hexagonal.

1 11. The plasma display panel as claimed in claim 8,  
2 wherein the first and second sub-pixels with red and  
3 green phosphors respectively are hexagonal and the third  
4 sub-pixels c with blue phosphor are octagonal.

1           12. The plasma display panel as claimed in claim  
2           11, wherein the second sub-pixels with green phosphor are  
3           equilaterally hexagonal.

1           13. The plasma display panel as claimed in claim 8,  
2           wherein each pixel is dodecagonal.